

*✓*

7. (ONCE AMENDED) A system analyzing method, for analyzing a system containing one or a plurality of programs, comprising:  
examining a data item access state in the program; and  
analyzing strength degree of association relationships between processes and data items based on said data item access state, each said process being at least one of a program, a set of programs and a program section.

8. (ONCE AMENDED) The system analysis method of claim 7, wherein said analyzing comprises:  
quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating the quantified data item access state data.

9. (ONCE AMENDED) The system analysis method of claim 8, wherein said analyzing further comprises:  
correcting said quantified data item access state data according to an external requirement including a system design requirement.

*✓*

10. (ONCE AMENDED) The system analysis method of claim 9, wherein said analyzing further comprises:  
collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

11. (ONCE AMENDED) The system analysis method of claim 10, wherein said analyzing further comprises:  
presenting at least one of a partitioning pattern of the data items and a division pattern of the processes, using the quantified data item access state data and the collected processes.

12. (ONCE AMENDED) The system analysis method of claim 11, further comprising:  
presenting a process interface in the presented division pattern of the processes,  
displaying distinction between public data and private data, said public data being external data used as interfaces to processes in other division, and private data being internal data used only

*sub  
by*  
within processes in a division.

13. (ONCE AMENDED) A storage medium for storing an analysis program for analyzing a system containing one or a plurality of programs, said analysis program causing a computer to execute operations comprising:

examining a data item access state in the program; and

analyzing strength degree of association relationships between processes and data items based on said data item access state, each said process being at least one of a program, a set of programs and a program section.

14. (ONCE AMENDED) The storage medium of claim 13, wherein said analyzing comprises:

quantifying the types of accesses to the data items and the number of accesses, which are included in said data item access state, and generating the quantified data item access state data.

15. (ONCE AMENDED) The storage medium of claim 14, wherein said analyzing further comprises:

correcting said quantified data item access state data according to an external requirement including a system design requirement.

16. (ONCE AMENDED) The storage medium of claim 15, wherein said analyzing further comprises:

collecting processes that access to a data item satisfying a predetermined condition in said quantified data item access state data.

17. (ONCE AMENDED) The storage medium of claim 16, wherein said analyzing further comprises:

presenting at least one of a partitioning pattern of the data items and division pattern of the processes, using the quantified data item access state data and the collected processes.

18. (ONCE AMENDED) The storage medium of claim 11, wherein said analysis program causes said computer to further execute operations comprising: